

Outline

- Modern need for fish passage
- Bradbury Dam area characteristics
- Range of Alternatives
- Approach of investigation
- Summary

Santa Ynez River Watershed

Potential Steelhead Spawning and Rearing Habitat



Stream Mileage

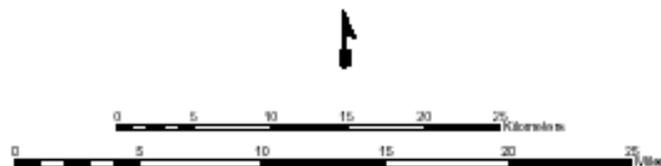
Below Bradbury Dam:
 Stream Distance of Santa Ynez River (Main Stem) = 12 miles
 Percentage of Total (Main Stem) = 22%
 Stream Distance of Selected Tributaries (Including Santa Ynez River) = 101 miles
 Percentage of Total = 29%

Above Bradbury Dam:
 Stream Distance of Santa Ynez River (Main Stem) = 43 miles
 Percentage of Total (Main Stem) = 78%
 Stream Distance of Selected Tributaries (Including Santa Ynez River) = 248 miles
 Percentage of Total = 71%

Total Area of Santa Ynez River Watershed:
 900 square miles

Note: See the accompanying table and text document for more information regarding stream distances and the map design process.

Pacific Ocean



Scale: 1:450,000
 Projection: NAD 83
 Map produced by: C. Chavez
 NOAA Fisheries, Long Beach, CA

Legend

- Dams
- Downstream Tributaries
- Upstream Tributaries
- Other Streams
- Waterbodies
- Planning Watershed Boundaries (CalWater 2.2 6th Field)
- Federal 4th Field HUC
- County Boundary



River crossing

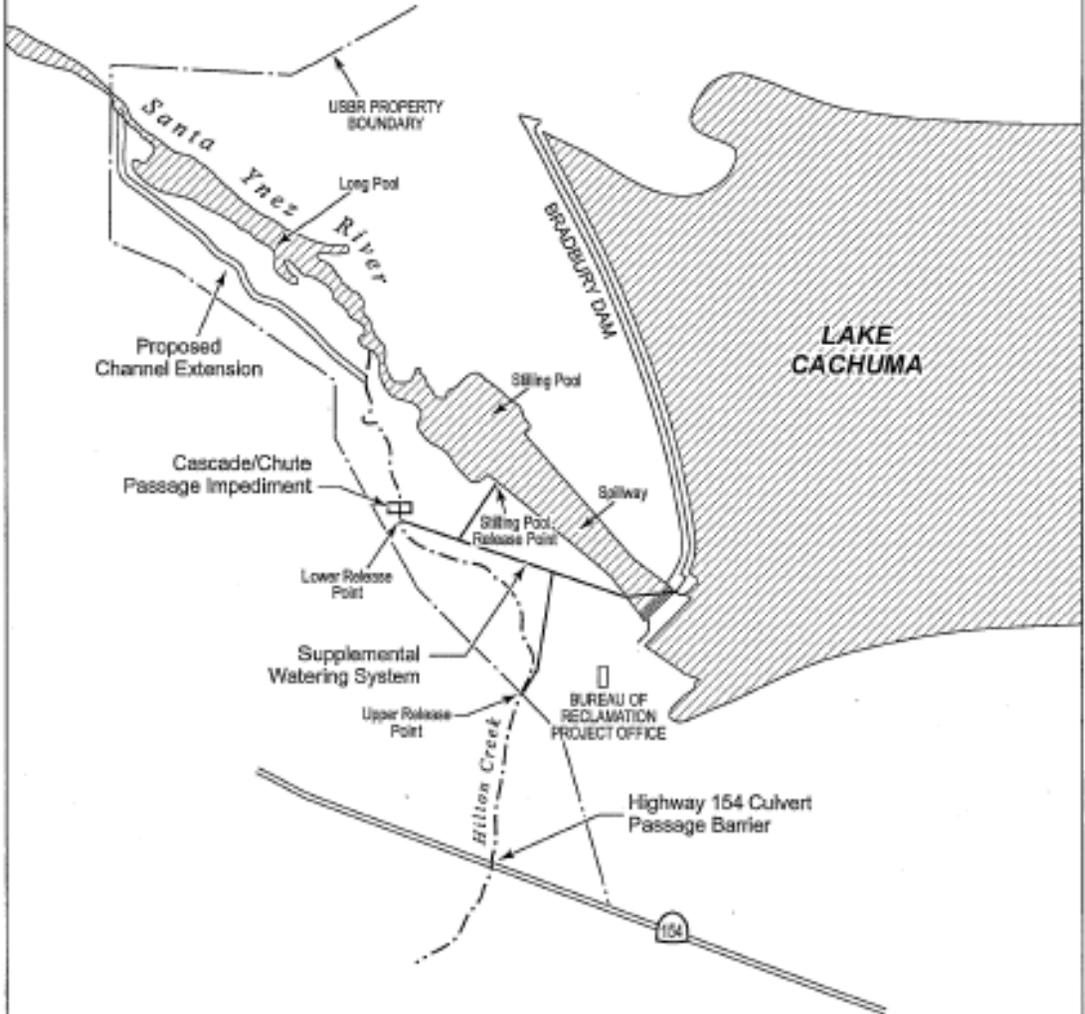
River crossing

Apparent stream diversion or pipe crossings

Hilton Creek

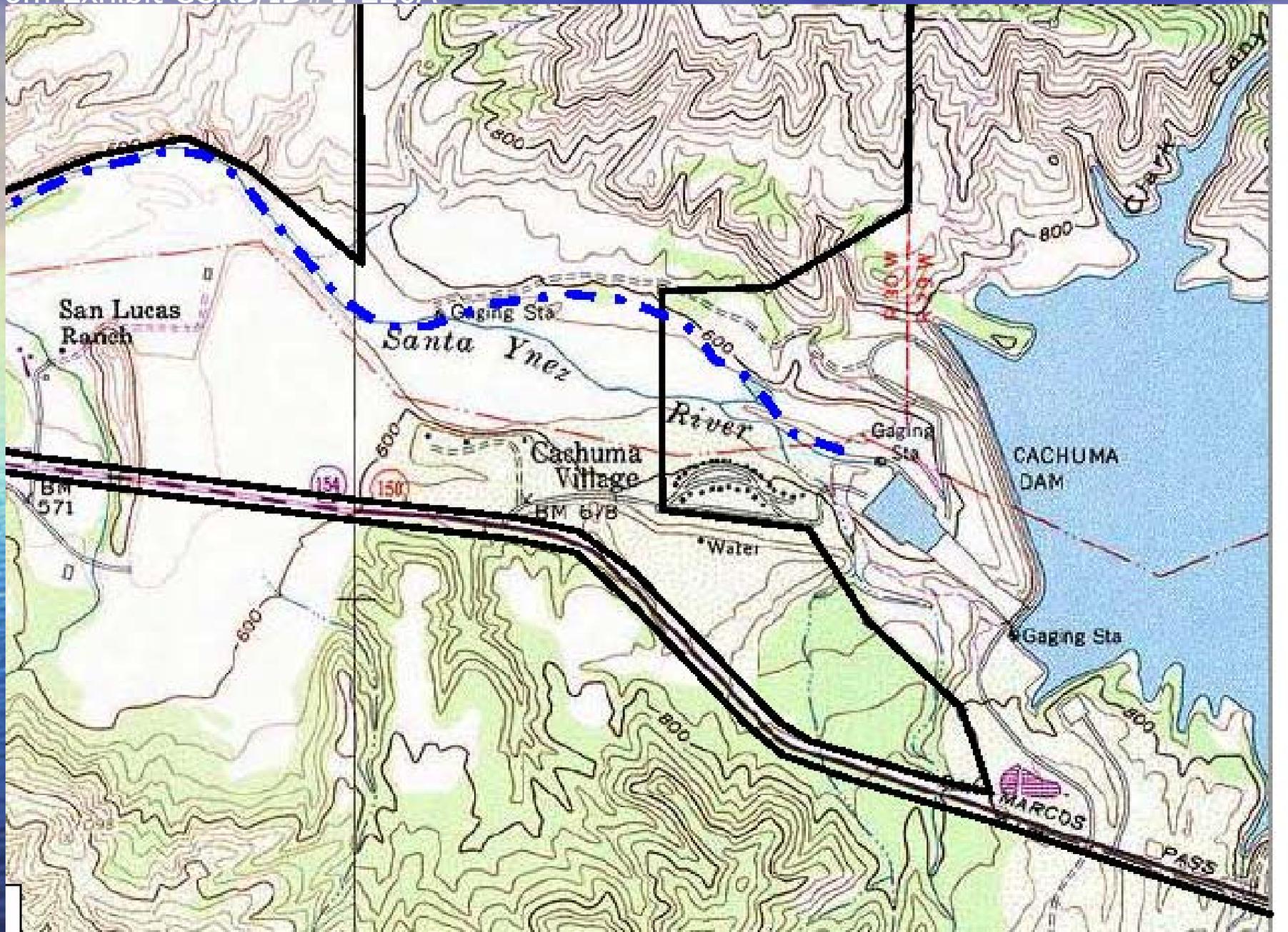
San Lucas Ranch Property

T/Ladd/Cachuma/03/04



Adult Steelhead Upstream Passage

- Ladder
- Lift
- Lock
- Haul



Juvenile Fish Downstream Passage

- Passive
- Collection at dam and/or head of reservoir and major tributaries

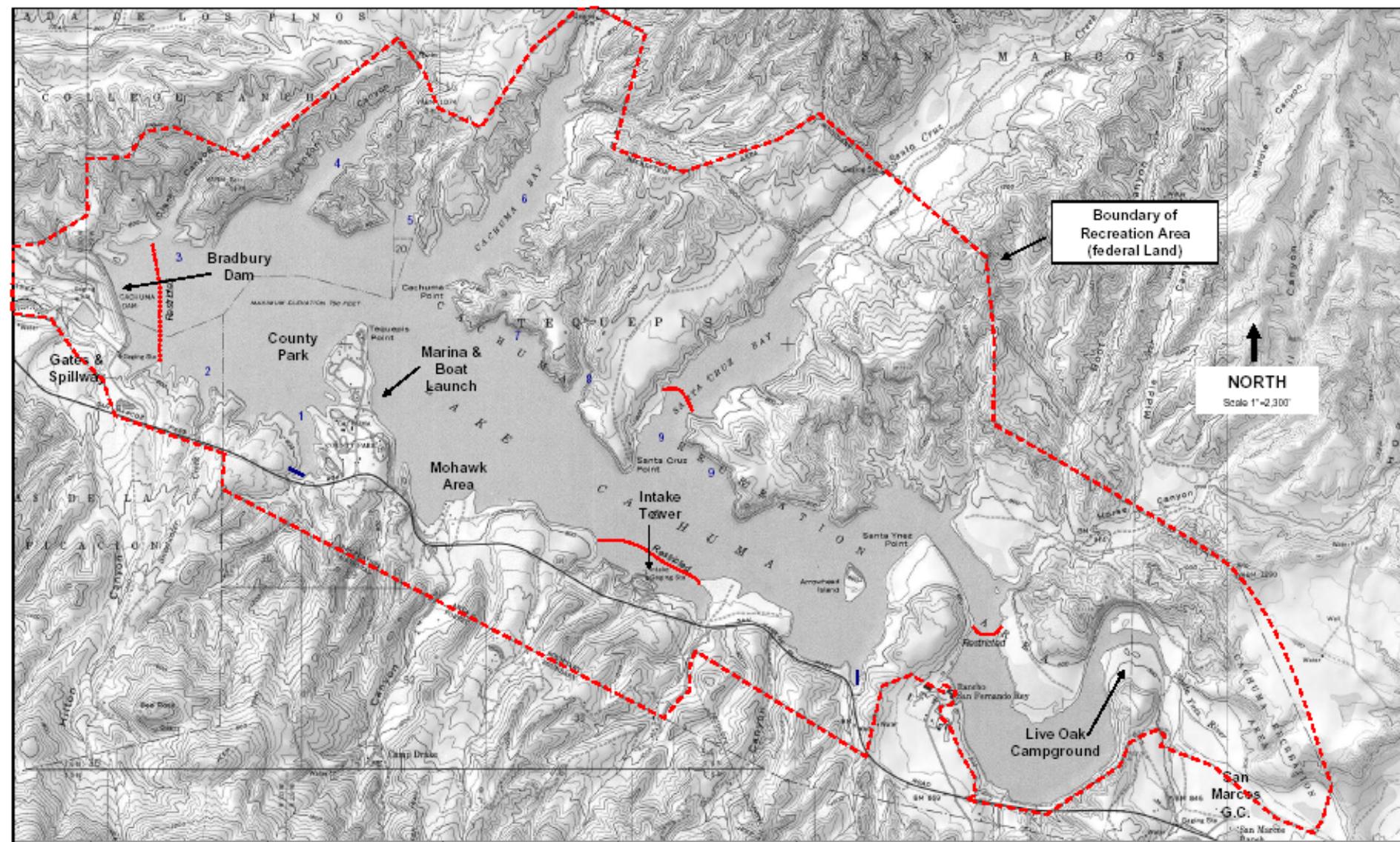


Figure 2-2. Lake Cachuma

Summary

- Interdisciplinary technical advisory group
- Begin investigation of alternatives and phased plans of implementation concurrent with other investigations
- Good history of success

1948 DOI Report to Congress

Recommended a trapping and holding facility be provided to transfer steelhead above the dam

Exhibit NOAA-9